

Sequence Listing

<210> 1

<211> 258

<212> PRT

<213> Artificial Sequence

<400> 1

Met Gln Gln Pro Phe Asn Tyr Pro Tyr Pro Gln Ile Tyr Trp Val

1 5 10 15

Asp Ser Ser Ala Ser Ser Pro Trp Ala Pro Pro Gly Thr Val Leu

20 25 30

Pro Cys Pro Thr Ser Val Pro Arg Arg Pro Gly Gln Arg Arg Pro

35 40 45

Pro Pro Pro Pro Pro Pro Pro Pro Leu Pro Pro Pro Pro Pro Pro

50 55 60

Pro Pro Leu Pro Pro Leu Pro Leu Pro Pro Leu Lys Lys Arg Gly

65 70 75

Asn His Ser Thr Gly Leu Cys Leu Leu Val Met Phe Phe Met Val

80 85 90

Leu Val Ala Leu Val Gly Leu Gly Leu Gly Met Phe Gln Leu Phe

95 100 105

His Leu Gln Lys Glu Pro Ser Pro Pro Pro Glu Lys Lys Glu Leu

110 115 120

Arg Lys Val Ala His Leu Thr Gly Lys Ser Asn Ser Arg Ser Met
135

170	175	180
Glu Thr Gly Leu Tyr Phe Val Tyr Ser Lys Val Tyr Phe Arg Gly		
185	190	195
Gln Ser Cys Asn Asn Leu Pro Leu Ser His Lys Val Tyr Met Arg		
200	205	210
Asn Ser Lys Tyr Pro Gln Asp Leu Val Met Met Glu Gly Lys Met		
215	220	225
Met Ser Tyr Cys Thr Thr Gly Gln Met Trp Ala Arg Ser Ser Tyr		
230	235	240
Leu Gly Ala Val Phe Asn Leu Thr Ser Ala Asp His Leu Tyr Val		
245	250	255
Asn Val Ser Glu Leu Ser Leu Val Asn Phe Glu Glu Ser Gln Thr		
260	265	270
Phe Phe Gly Leu Tyr Lys Leu		
275	277	

<210> 3

<211> 281

<212> PRT

<213> Artificial Sequence

<400> 3

Met Gln Gln Pro Phe Asn Tyr Pro Tyr Pro Gln Ile Tyr Trp Val

1

5

10

15

Asp Ser Ser Ala Ser Ser Pro Trp Ala Pro Pro Gly Thr Val Leu

002120 01600500

20	25	30
Pro Cys Pro Thr Ser Val Pro Arg Arg Pro Gly Gln Arg Arg Pro		
35	40	45
Pro Pro Pro Pro Pro Pro Pro Pro Leu Pro Pro Pro Pro Pro Pro		
50	55	60
Pro Pro Leu Pro Pro Leu Pro Leu Pro Pro Leu Lys Lys Arg Gly		
65	70	75
Asn His Ser Thr Gly Leu Cys Leu Leu Val Met Phe Phe Met Val		
80	85	90
Leu Val Ala Leu Val Gly Leu Gly Leu Gly Met Phe Gln Leu Phe		
95	100	105
His Leu Gln Lys Glu Leu Ala Glu Leu Arg Glu Ser Thr Ser Gln		
110	115	120
Met His Thr Ala Ser Ser Leu Glu Ala Gln Ile Gly His Pro Ser		
125	130	135
Pro Pro Pro Glu Lys Lys Glu Leu Arg Lys Val Ala His Leu Thr		
140	145	150
Gly Lys Ser Asn Ser Arg Ser Met Pro Leu Glu Trp Glu Asp Thr		
155	160	165
Tyr Gly Ile Val Leu Leu Ser Gly Val Lys Tyr Lys Lys Gly Gly		
170	175	180
Leu Val Ile Asn Glu Thr Gly Leu Tyr Phe Val Tyr Ser Lys Val		
185	190	195
Tyr Phe Arg Gly Gln Ser Cys Asn Asn Leu Pro Leu Ser His Lys		

002160 01000500

ATG	CAG	CAG	CCC	TTC	AAT	TAC	CCA	TAT	CCC	CAG	ATC	TAC	TGG	GTG	45
GAC	AGC	AGT	GCC	AGC	TCT	CCC	TGG	GCC	CCT	CCA	GGC	ACA	GTT	CTT	90
CCC	TGT	CCA	ACC	TCT	GTG	CCC	AGA	AGG	CCT	GGT	CAA	AGG	AGG	CCA	135
CCA	CCA	CCA	CCG	CCA	CCG	CCA	CCA	CTA	CCA	CCT	CCG	CCG	CCG	CCG	180
CCA	CCA	CTG	CCT	CCA	CTA	CCG	CTG	CCA	CCC	CTG	AAG	AAG	AGA	GGG	225
AAC	CAC	AGC	ACA	GGC	CTG	TGT	CTC	CTT	GTG	ATG	TTT	TTC	ATG	GTT	270
CTG	GTT	GCC	TTG	GTA	GGA	TTG	GGC	CTG	GGG	ATG	TTT	CAG	CTC	TTC	315

CAC CTA CAG AAG GAG CCC AGT CCA CCC CCT GAA AAA AAG GAG CTG 360
 AGG AAA GTG GCC CAT TTA ACA GGC AAG TCC AAC TCA AGG TCC ATG 405
 CCT CTG GAA TGG GAA GAC ACC TAT GGA ATT GTC CTG CTT TCT GGA 450
 GTG AAG TAT AAG AAG GGT GGC CTT GTG ATC AAT GAA ACT GGG CTG 495
 TAC TTT GTA TAT TCC AAA GTA TAC TTC CGG GGT CAA TCT TGC AAC 540
 AAC CTG CCC CTG AGC CAC AAG GTC TAC ATG AGG AAC TCT AAG TAT 585
 CCC CAG GAT CTG GTG ATG ATG GAG GGG AAG ATG ATG AGC TAC TGC 630
 ACT ACT GGG CAG ATG TGG GCC CGC AGC AGC TAC CTG GGG GCA GTG 675
 TTC AAT CTT ACC AGT GCT GAT CAT TTA TAT GTC AAC GTA TCT GAG 720
 CTC TCT CTG GTC AAT TTT GAG GAA TCT CAG ACG TTT TTC GGC TTA 765
 TAT AAG CTC 774

<210> 5

<211> 831

<212> DNA

<213> Artificial Sequence

<400> 5

ATG CAG CAG CCC TTC AAT TAC CCA TAT CCC CAG ATC TAC TGG GTG 45
 GAC AGC AGT GCC AGC TCT CCC TGG GCC CCT CCA GGC ACA GTT CTT 90
 CCC TGT CCA ACC TCT GTG CCC AGA AGG CCT GGT CAA AGG AGG CCA 135
 CCA CCA CCA CCG CCA CCG CCA CCA CTA CCA CCT CCG CCG CCG CCG 180
 CCA CCA CTG CCT CCA CTA CCG CTG CCA CCC CTG AAG AAG AGA GGG 225
 AAC CAC AGC ACA GGC CTG TGT CTC CTT GTG ATG TTT TTC ATG GTT 270
 CTG GTT GCC TTG GTA GGA TTG GGC CTG GGG ATG TTT CAG CTC TTC 315

002160 031700

CAC CTA CAG AAG GAG CTG GCA GAA CTC CGA GAG TCT ACC AGC CAG 360
ATG CAC ACA GCA TCA TCT TTG GGC CAC CCC AGT CCA CCC CCT GAA 405
AAA AAG GAG CTG AGG AAA GTG GCC CAT TTA ACA GGC AAG TCC AAC 450
TCA AGG TCC ATG CCT CTG GAA TGG GAA GAC ACC TAT GGA ATT GTC 495
CTG CTT TCT GGA GTG AAG TAT AAG AAG GGT GGC CTT GTG ATC AAT 540
GAA ACT GGG CTG TAC TTT GTA TAT TCC AAA GTA TAC TTC CGG GGT 585
CAA TCT TGC AAC AAC CTG CCC CTG AGC CAC AAG GTC TAC ATG AGG 630
AAC TCT AAG TAT CCC CAG GAT CTG GTG ATG ATG GAG GGG AAG ATG 675
ATG AGC TAC TGC ACT ACT GGG CAG ATG TGG GCC CGC AGC AGC TAC 720
CTG GGG GCA GTG TTC AAT CTT ACC AGT GCT GAT CAT TTA TAT GTC 765
AAC GTA TCT GAG CTC TCT CTG GTC AAT TTT GAG GAA TCT CAG ACG 810
TTT TTC GGC TTA TAT AAG CTC 831

<210> 6

<211> 843

<212> DNA

<213> Artificial Sequence

<400> 6

ATG CAG CAG CCC TTC AAT TAC CCA TAT CCC CAG ATC TAC TGG GTG 45
GAC AGC AGT GCC AGC TCT CCC TGG GCC CCT CCA GGC ACA GTT CTT 90
CCC TGT CCA ACC TCT GTG CCC AGA AGG CCT GGT CAA AGG AGG CCA 135
CCA CCA CCA CCG CCA CCG CCA CCA CTA CCA CCT CCG CCG CCG CCG 180
CCA CCA CTG CCT CCA CTA CCG CTG CCA CCC CTG AAG AAG AGA GGG 225
AAC CAC AGC ACA GGC CTG TGT CTC CTT GTG ATG TTT TTC ATG GTT 270

002150 0160550

CTG GTT GCC TTG GTA GGA TTG GGC CTG GGG ATG TTT CAG CTC TTC 315
 CAC CTA CAG AAG GAG CTG GCA GAA CTC CGA GAG TCT ACC AGC CAG 360
 ATG CAC ACA GCA TCA TCT TTG GAG GCA CAA ATA GGC CAC CCC AGT 405
 CCA CCC CCT GAA AAA AAG GAG CTG AGG AAA GTG GCC CAT TTA ACA 450
 GGC AAG TCC AAC TCA AGG TCC ATG CCT CTG GAA TGG GAA GAC ACC 495
 TAT GGA ATT GTC CTG CTT TCT GGA GTG AAG TAT AAG AAG GGT GGC 540
 CTT GTG ATC AAT GAA ACT GGG CTG TAC TTT GTA TAT TCC AAA GTA 585
 TAC TTC CGG GGT CAA TCT TGC AAC AAC CTG CCC CTG AGC CAC AAG 630
 GTC TAC ATG AGG AAC TCT AAG TAT CCC CAG GAT CTG GTG ATG ATG 675
 GAG GGG AAG ATG ATG AGC TAC TGC ACT ACT GGG CAG ATG TGG GCC 720
 CGC AGC AGC TAC CTG GGG GCA GTG TTC AAT CTT ACC AGT GCT GAT 765
 CAT TTA TAT GTC AAC GTA TCT GAG CTC TCT CTG GTC AAT TTT GAG 810
 GAA TCT CAG ACG TTT TTC GGC TTA TAT AAG CTC 843

002150-01000500